



Item Navigation

Summary & Highlights

Congratulations! You have completed this lesson. At this point in the course, you know:

- You can access a database from a language like Python by using the appropriate API. Examples include `ibm_db` API for IBM DB2, `psycopg2` for PostgreSQL, and `dblib` API for SQL Server.
- DB-API is Python's standard API for accessing relational databases. It allows you to write a single program that works with multiple kinds of relational databases instead of writing a separate program for each one.
- The `DB_API` `connect` constructor creates a connection to the database and returns a `Connection` Object, which is then used by the various connection methods.
- The connection methods are:
 - The **`cursor()`** method, which returns a new cursor object using the connection.
 - The **`commit()`** method, which is used to commit any pending transaction to the database.
 - The **`rollback()`** method, which causes the database to roll-back to the start of any pending transaction.
 - The **`close()`** method, which is used to close a database connection.
- You can use **SQL Magic** commands to execute queries more easily from Jupyter Notebooks. Magic commands have the general format **`%sql select * from tablename`**.
 - Cell magics** start with a double `%%` (percent) sign and apply to the entire cell.
 - Line magics** start with a single `%` (percent) sign and apply to a particular line in a cell.

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